:Meaning, ion & Importance

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Outline of Presentation

- Origin of Statistics
- Meaning of Statistics
- Definition of Statistics
- Components of Statistics
- Importance of Statistics
- Meaning of Data & Types
- Comparison between Primary and Secondary Data

Origin of Statistics

- The Word **statistics** have been derived from Latin word ***"Status"*** or the Italian word ***"Statista"*** or the German word "***Statistik"*** meaning of these words is ***"Political State"*** or a Government.
- Shakespeare has used a word Statist is his drama Hamlet (1602).

“Facts are stubborn, but statistics are more pliable. “

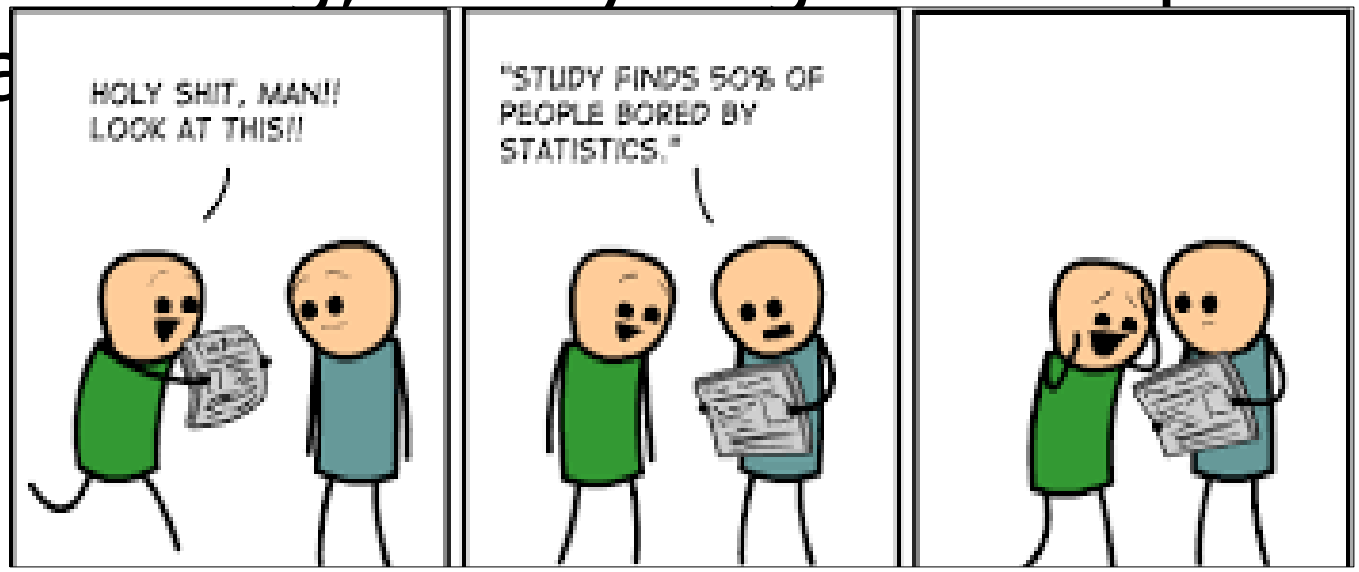
- Mark Twain

Meaning of Statistics

- The word statistics refers to

  - Numerical facts and figures or data.

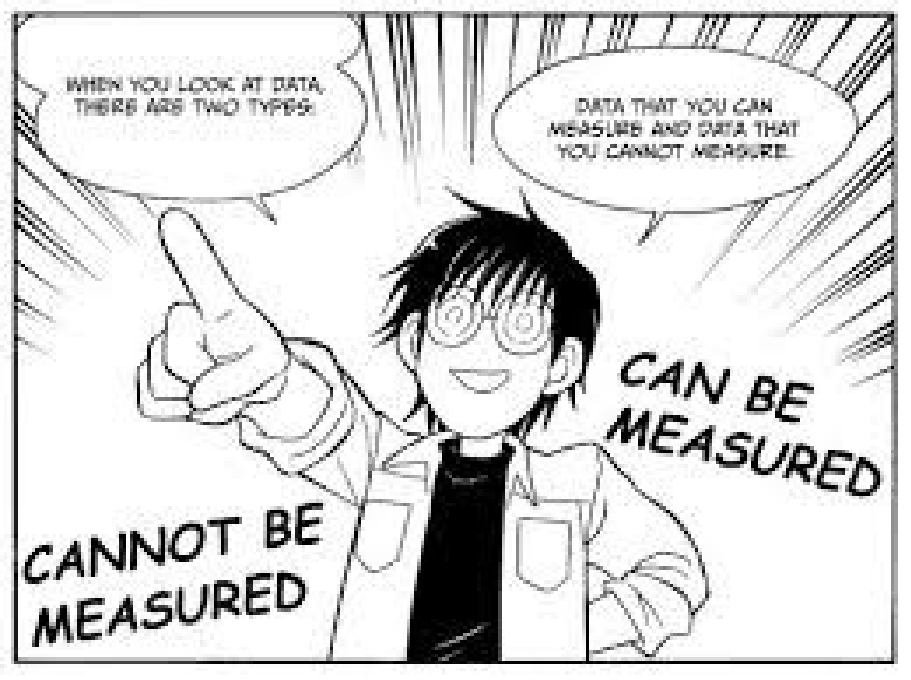
  - Study of ways or means of collecting, analyzing or interpreting da

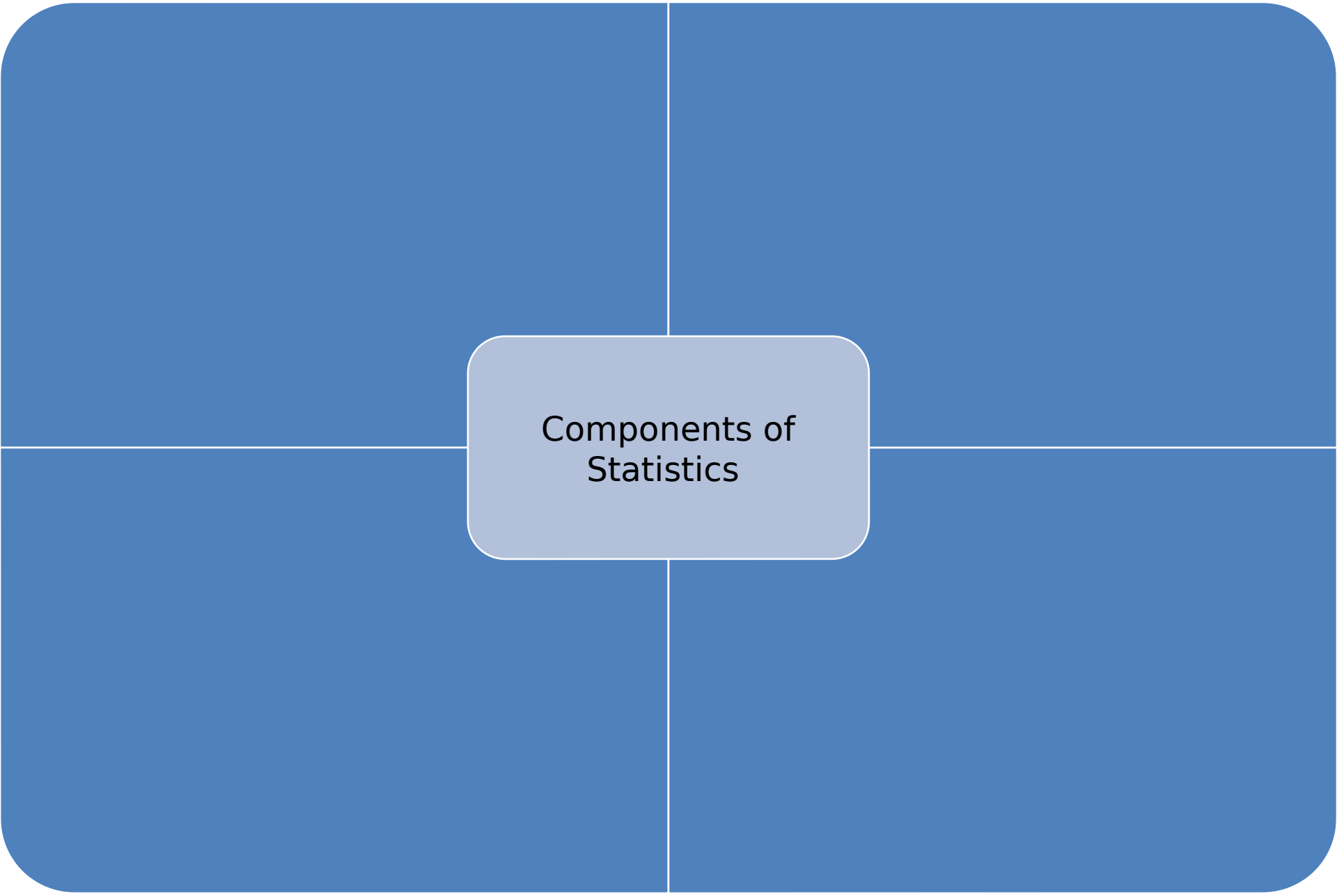


Definitions of Statistics

- Acc. To Boddington, *“Statistics is the science of estimates and probabilities.”*
- Acc. To Croxton & Cowden, *“ It is the science of collection, presentation, analysis and interpretation of numerical data."”*

Is Statistics Play Vital Role In Education?


WHEN YOU LOOK AT DATA, THERE ARE TWO TYPES:
DATA THAT YOU CAN MEASURE AND DATA THAT YOU CANNOT MEASURE.
CAN BE MEASURED
CANNOT BE MEASURED

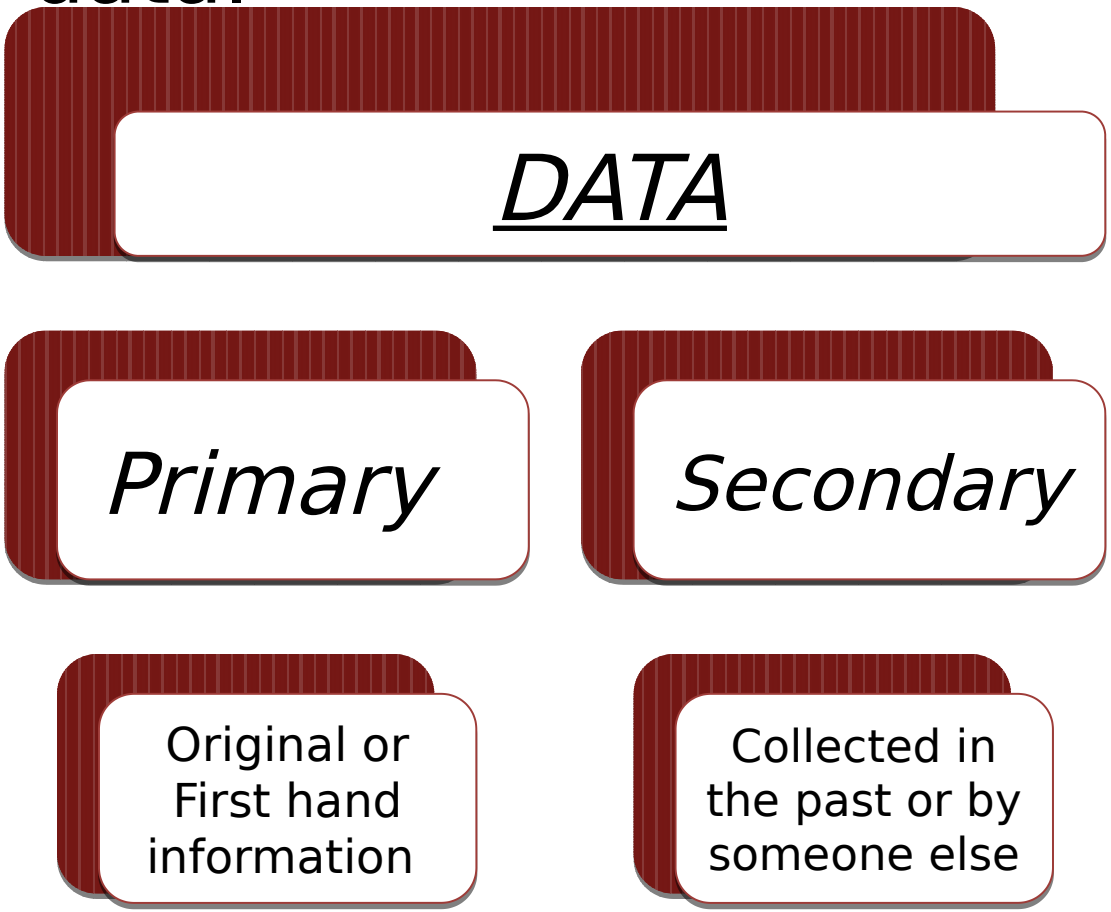

Components of Statistics

- Statistics is an efflorescent discipline that has rapidly adapting to current challenges and future orientation of the people from every sphere of life.
- In today’s era of data explosion, where everything is at single click and everything is measured you need statistics to make data useful.

REASONS WHERE STATISTICS IS IMPORTANT IN EVALUATION

1) To fulfill classroom objectives
2) To monitor student progress
3) Prepare report of student progress
4) It makes
5) Assist students in their problems
6) To analyze the causal factors underlying complex and bewildering events
7) Helpful in drawing conclusions in in meaningful way
8) Helpful in predicting the future performance of the pupils
9) Gives feedback for new interventions
10) Helpful in research work

- Data Meaning : It means scattered scores are known as raw scores or raw data.



Basis	Primary Data	Secondary Data
1) Meaning	It refers to the first hand data gathered by the researcher himself.	Secondary data means data collected by someone else earlier.
2) Originality	It collected originally by the investigator.	It is already available.
3) Sources	Observations, Experiments , Questionnaire, Personal interview, Survey etc.	Government publications, Newspaper, books, journal articles, magazine, internal records etc.
4) Cost	Expensive	Economical
5) Time for Collection	Long	Short
6)	More accurate and	Relatively less accurate

Conclusion

So in the last, we can say that knowledge of statistics helps in providing foundation and statistical methods go hand in hand. It also aid us in thinking clear about our problems in education and solving them statistically.

Thank You